What is Object Cache? (874295)

TechKnowledge Content

Issue

What is Object Cache and How do I set the amount of Object Cache used?

Resolution

Object cache is a memory space used by the Navision client to store objects (code, descriptions and windows) that have been retrieved from the Navision server. The object cache, like cache, allows the program to work faster by referencing memory instead of having to make repetitive calls to the server for the objects - provided the client has enough memory to store the objects in memory. Therefore, the client will only have to request the objects once from the Navision server.

How to determine the proper setting for object cache?

The total size of all the objects used in the standard application is around 20 MB. If you have enough memory, set the object cache to 20 MB. The size of the most important objects, for example, the table descriptions, is 1 MB. Therefore, as a minimum, set the object cache to 1 MB. The upper limit is 1 GB.

The formula below is used to help you determine what to set your object cache at:

\[
\text{Size of Object Cache} = \text{Amount of physical memory} - \text{Memory requirements of the operation system} - \text{Memory requirements of other programs running.}
\]

What is the impact of different object cache settings?

Do not exceed 20MB - the maximum space used by all objects. Running out of object cache (that is, setting too small a value) does not cause any problems. In fact the smaller you set the cache the more current you know that your objects are; however, you should not set the object cache less than 1 MB.

The reason for the Navision default is that there should not be modifications done on a live system; therefore, Navision defaults anywhere from 6000-10000 (6MB-10MB) for object cache depending on the database option. The entire objects are not stored in object cache because most customers run other programs on the computer.
How do I determine the current setting for the object cache?

Click File, Database, Information to see how much space the object cache has been allocated in the Object Cache (KB) field, which is found on the Database Tab.

How do I change the object cache?

To change the amount of space allocated to the object cache, on the menu bar, click Tools, Options, and enter the setting in the Object Cache (KB) field.

For additional information, click the following article number to view the article in the Microsoft Knowledge Base: 
857903 Description of the cache in Navision

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